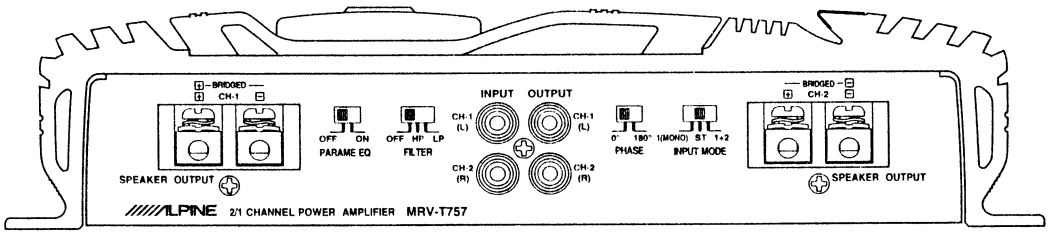
ALPINE®

SERVICE MANUAL

2/1 Channel Power Amplifier



MRV-T757

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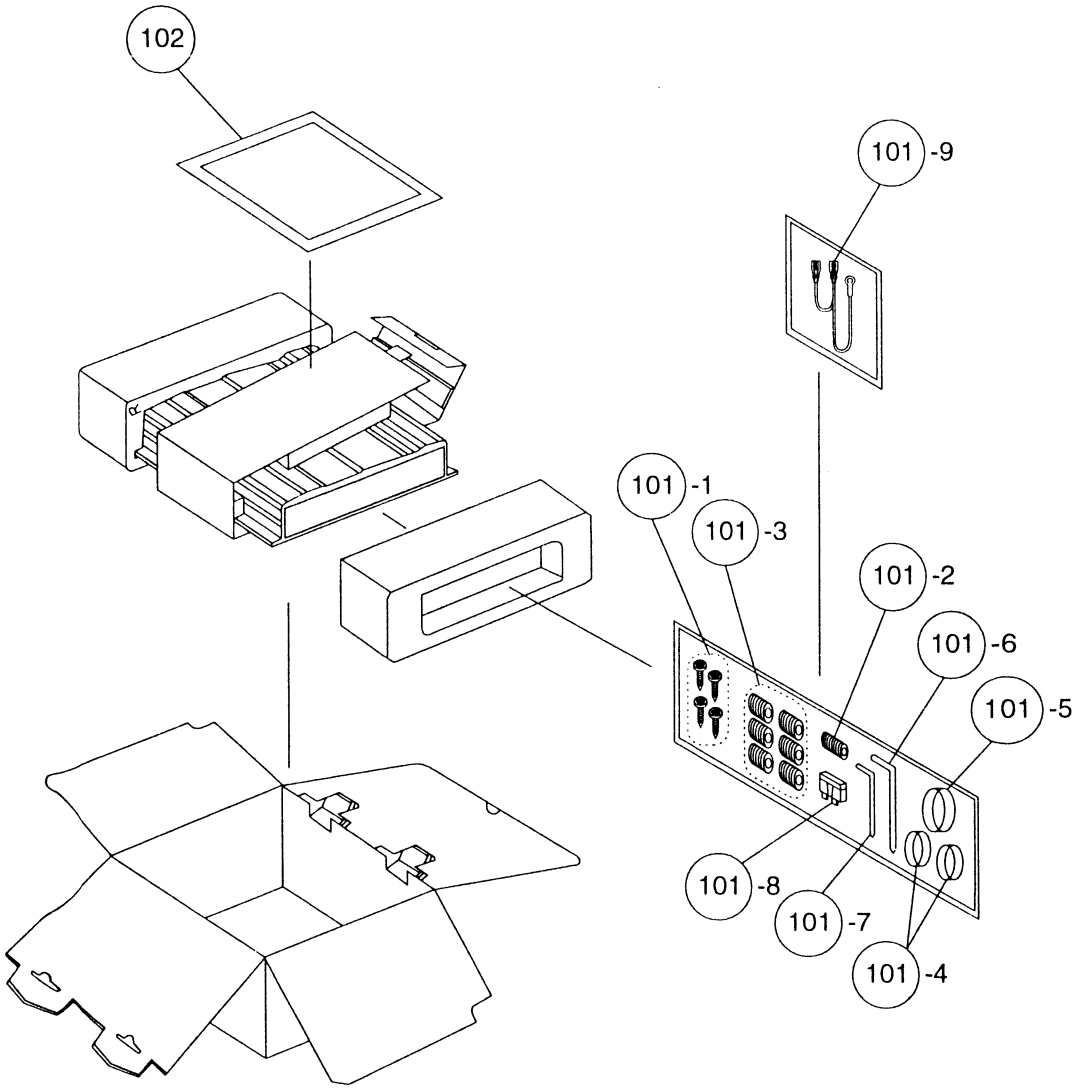
Packing Assembly Parts List

Symbol No.	Part No.	Description
101-1	03E11447S01	Screw, TPG (M4X14)
101-2	03E29353S01	Screw (M4X10)
101-3	03E29533S01	Screw (M5X6)
101-4	75E29296S01	Housing Rubber-A
101-5	75E29586S01	Housing Rubber-E
101-6	01E29587S01	Wrench (2.5X2.9mm)
101-7	01E28659S01	Wrench (2X2.3mm)
101-8	65E29539S01	Fuse, Auto 40A (For Battery Line)

Symbol No.	Part No.	Description
101-9	01E29401S01	Assy., Remote Wire
○ 102	68P11199Y97	Owner's Manual
△ 102-1	68P11199Y98	Owner's Manual (ENGLISH/FRANCAIS/ESPANOL)
△ 102-2	68P11199Y99	Owner's Manual (DEUTSCH/ITALIANO/SVENSKA)
□ 102	68P20877Y01	Owner's Manual

NOTE : ○: For North American Model Only, △: For General Foreign Model Only,
□: For Japanese Model Only, Others : Common.

Packing Method View



Specifications

T.H.D. <BATTERY NORMAL>
(Stereo, 20Hz/1kHz/20kHz) ..... 100W/ch, 4ohm-2channel, 14.4V, L.P.F.-80kHz : 0.2%
75W/ch, 4ohm-2channel, 12V, L.P.F.-80kHz : 0.2%
160W/ch, 2ohm-2channel, 14.4V, L.P.F.-80kHz : 0.8%
125W/ch, 2ohm-2channel, 12V, L.P.F.-80kHz : 0.8%
(BTL, INPUT MODE MONO, 20Hz/1kHz/20kHz) .... 325W/ch, 4ohm-1channel, 14.4V, L.P.F.-80kHz : 0.8%
250W/ch, 4ohm-1channel, 12V, L.P.F.-80kHz : 0.8%

Power Output <BATTERY NORMAL>
(Stereo, 20Hz/1kHz/20kHz) ..... 4ohm-2channel, 0.2% T.H.D., 14.4V, L.P.F.-80kHz : 100W
4ohm-2channel, 0.2% T.H.D., 12V, L.P.F.-80kHz : 75W
2ohm-2channel, 0.8% T.H.D., 14.4V, L.P.F.-80kHz : 200W
2ohm-2channel, 0.8% T.H.D., 12V, L.P.F.-80kHz : 150W
(BTL, INPUT MODE MONO, ... 4ohm-1channel, 0.8% T.H.D., 14.4V, L.P.F.-80kHz : 400W
20Hz/1kHz/20kHz) 4ohm-1channel, 0.8% T.H.D., 12V, L.P.F.-80kHz : 280W
<BATTERY DIRECT>
(BTL, INPUT MODE MONO, 1kHz) ..... 4ohm-1channel, 0.8% T.H.D., 14.4V, L.P.F.-80kHz : 400W
4ohm-1channel, 0.8% T.H.D., 12V, L.P.F.-80kHz : 280W

S/N Ratio (Ref. Output 100W/4ohm, Input shorted) 100dB
Input Sensitivity (100W Output) ..... GAIN-VR (NORM) : 1V±3dB
GAIN-VR (MAX) : 0.2V±3dB
GAIN-VR (MIN) : 4V±3dB
(PREOUT Level, 1V Output) ..... 1V±2dB
Input Impedance ..... 22kohm±10%
Frequency Response (0±1dB, Ref. 1kHz) ..... 20Hz~40kHz
Current Drain ..... No Signal: 1.5A
4ohm-2channel, 0.2% T.H.D. : 44A
2ohm-2channel, 0.8% T.H.D. : 80A
4ohm-1channel, BTL, 0.8% T.H.D. : 80A
Residual Noise (Input Shorted, 4ohm-2channel) ..... VR Center, MIN.: 3mV
VR MAX.: 6mV
Channel Separation (Input Shorted, 1kHz, 100W) 55dB
Remote on Voltage ..... 6.5±1V
Remote Current Drain ..... 1.3±0.5mA
Back Up Current Drain (REMOTE OFF) 1.2mA
Fuse Requirement ..... 40A (For Battery Line)
Power Source DC14.4V (11–16V)
Dimensions (W×H×D) ..... 260×60×330mm
Weight 5.22kg

NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

Adjustment Procedures

1. Power Supply Voltage Adjustment

電源電圧調整

(1) Connection

接続

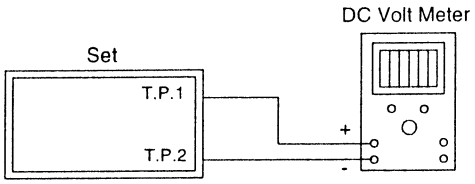


Figure 1
1図

BATTERY : DC14.4V
BATTERY DIRECT : OPEN
REMOTE : DC6.5±1V
No Signal Input

(2) Adjustment Procedures

調整方法

Adjust VR601 so that Voltage between T.P.1 and T.P.2 reaches 78±1V.

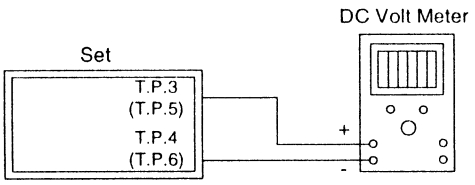
T.P.1とT.P.2との間の電圧が78±1Vになる様にVR601で調整する。

2. Idling Adjustment

アイドリング調整

(1) Connection

接続



BATTERY : DC14.4V
BATTERY DIRECT : OPEN
REMOTE : DC6.5±1V
No Signal Input

Figure 2
2図

(2) Adjustment Procedures

調整方法

① Adjust VR502 so that Voltage between T.P.3 and T.P.4 reaches 2±0.5mV.

T.P.3とT.P.4との間の電圧が2±0.5mVになる様にVR502で調整する。

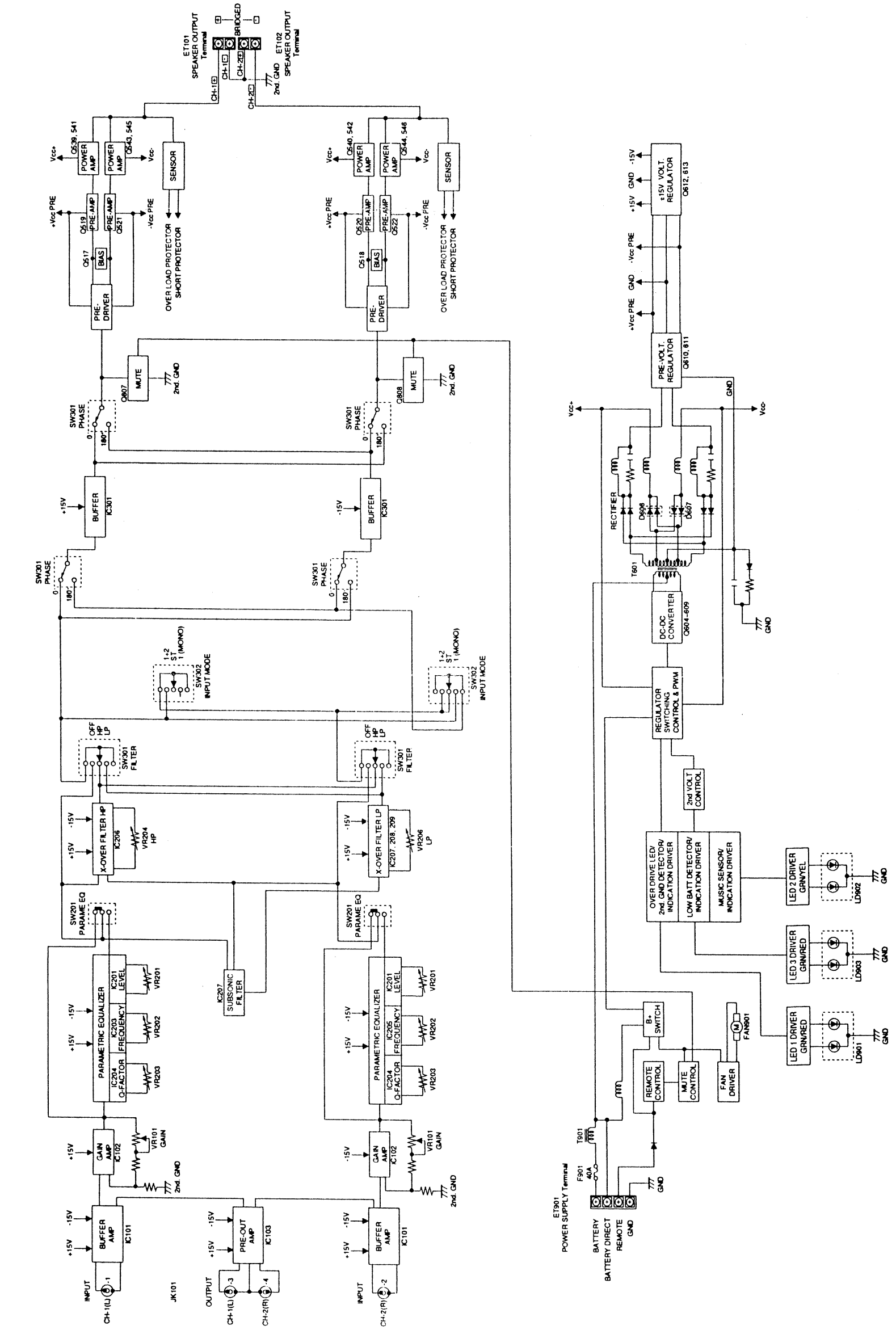
② Adjust VR501 so that Voltage between T.P.5 and T.P.6 reaches 2±0.5mV.

T.P.5とT.P.6との間の電圧が2±0.5mVになる様にVR501で調整する。

NOTE : For the Adjustment Parts and Test Points, refer to the Parts Layout on P.W. Boards and Wiring Diagram.

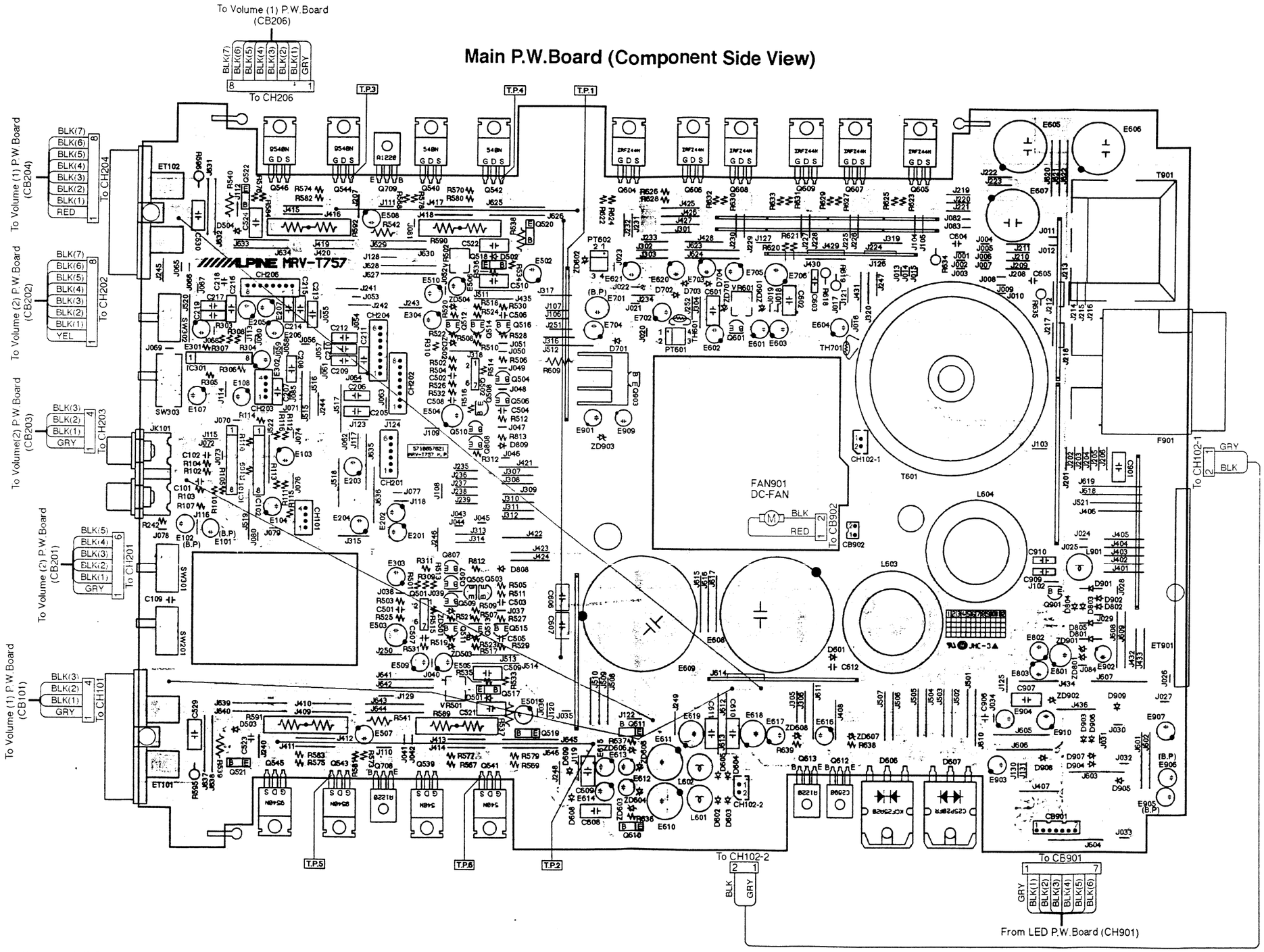
注記：調整部品及びテストポイントの詳細については、「Parts Layout on P.W. Boards and Wiring Diagram」を参照願います。

Block Diagram



Parts Layout on P.W. Boards and Wiring Diagram (1/3)

Main P.W.Board (Component Side View)



Blue Color Pattern : Foil Side Pattern

Parts Layout on P.W. Boards and Wiring Diagram (2/3)

1

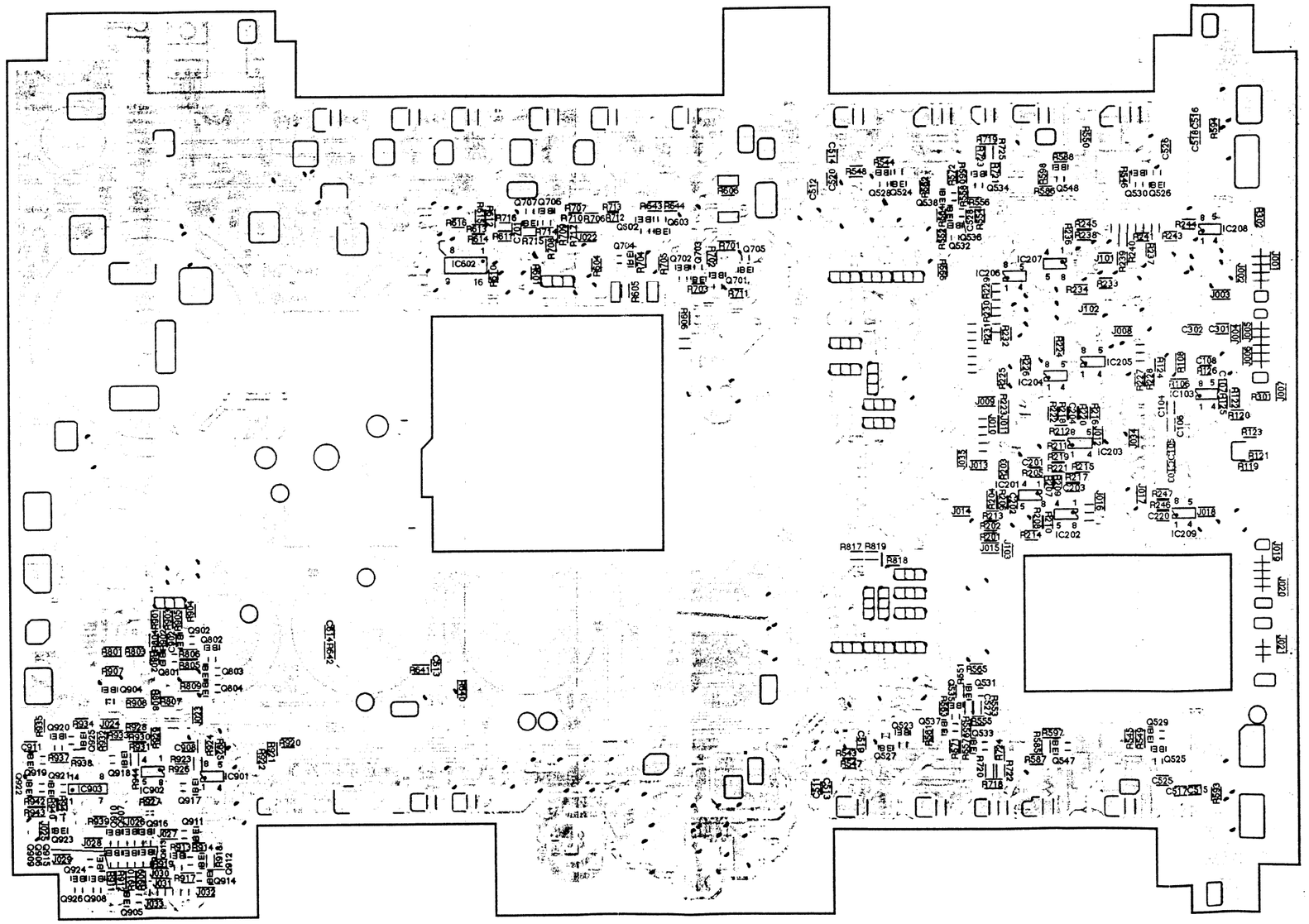
2

3

4

5

Main P.W.Board (Foil Side View)

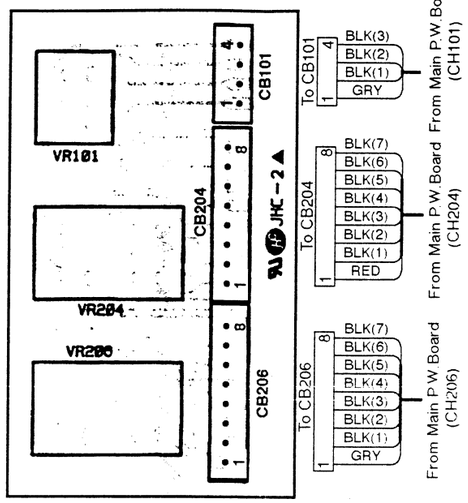


Blue Color Pattern : Foil Side Pattern

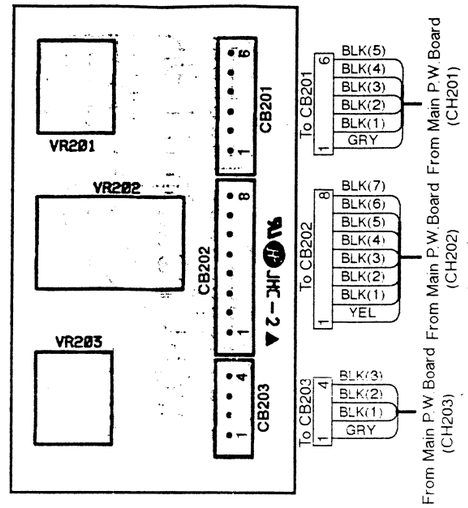
A | B -9- | C | D | E | F -10- | G

Parts Layout on P.W. Boards and Wiring Diagram (3/3)

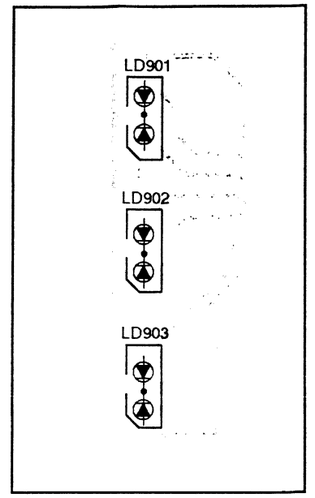
Volume(1) P.W.Board (Component Side Veiw)



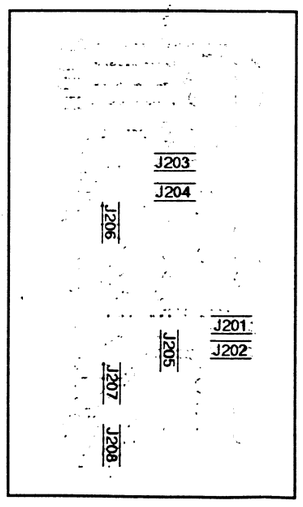
Volume(2) P.W.Board (Component Side Veiw)



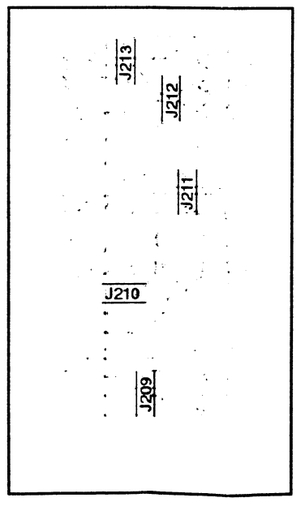
LED P.W.Board (Component Side Veiw)



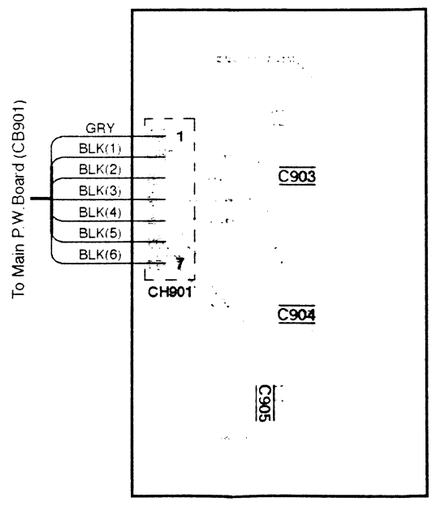
Volume(1) P.W.Board (Foil Side Veiw)



Volume(2) P.W.Board (Foil Side Veiw)

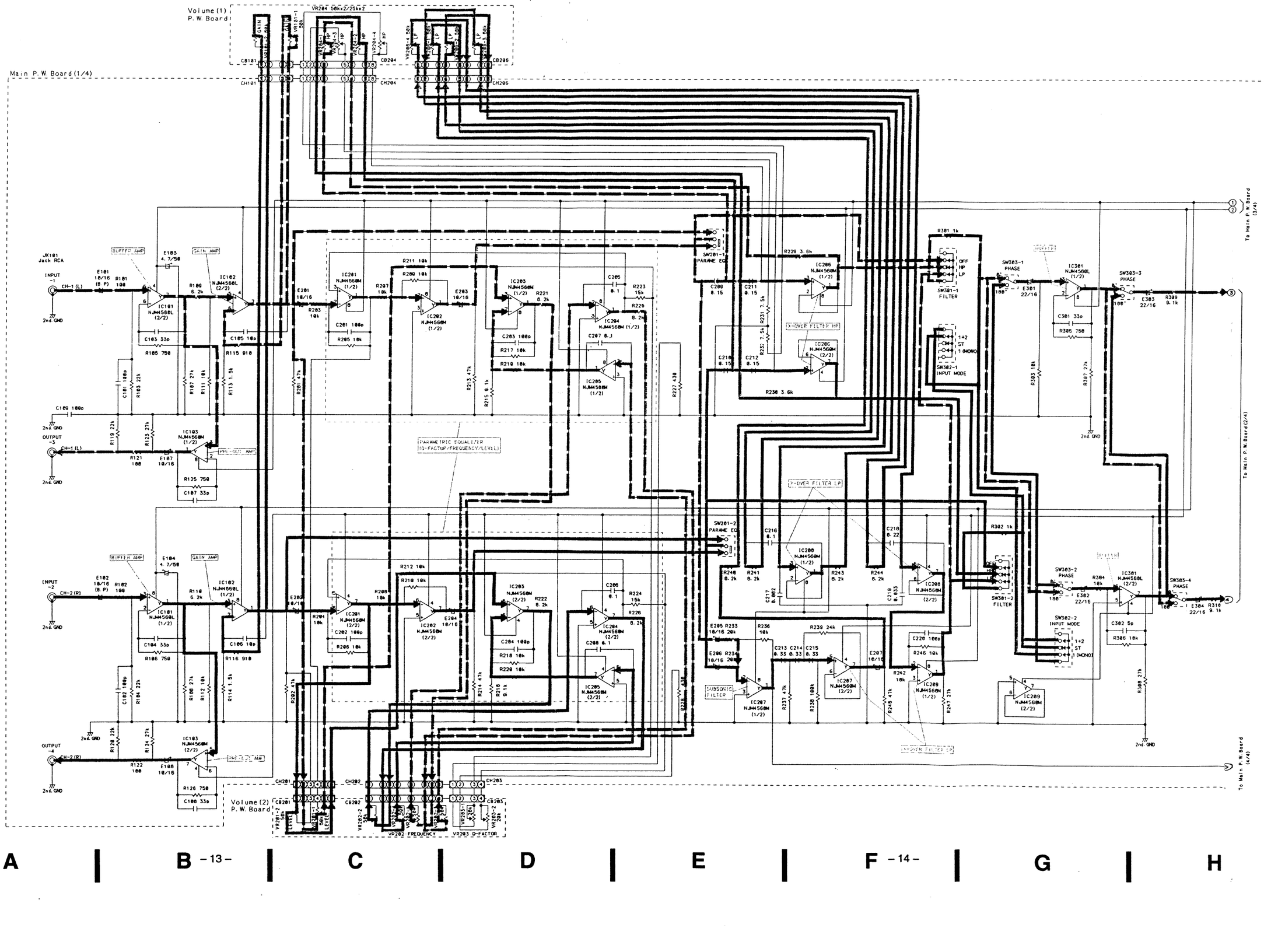


LED P.W.Board (Foil Side Veiw)



Blue Color Pattern : Foil Side Pattern

Schematic Diagram (1/4)



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Schematic Diagram (2/4)

IC101~103, 201~209, 301

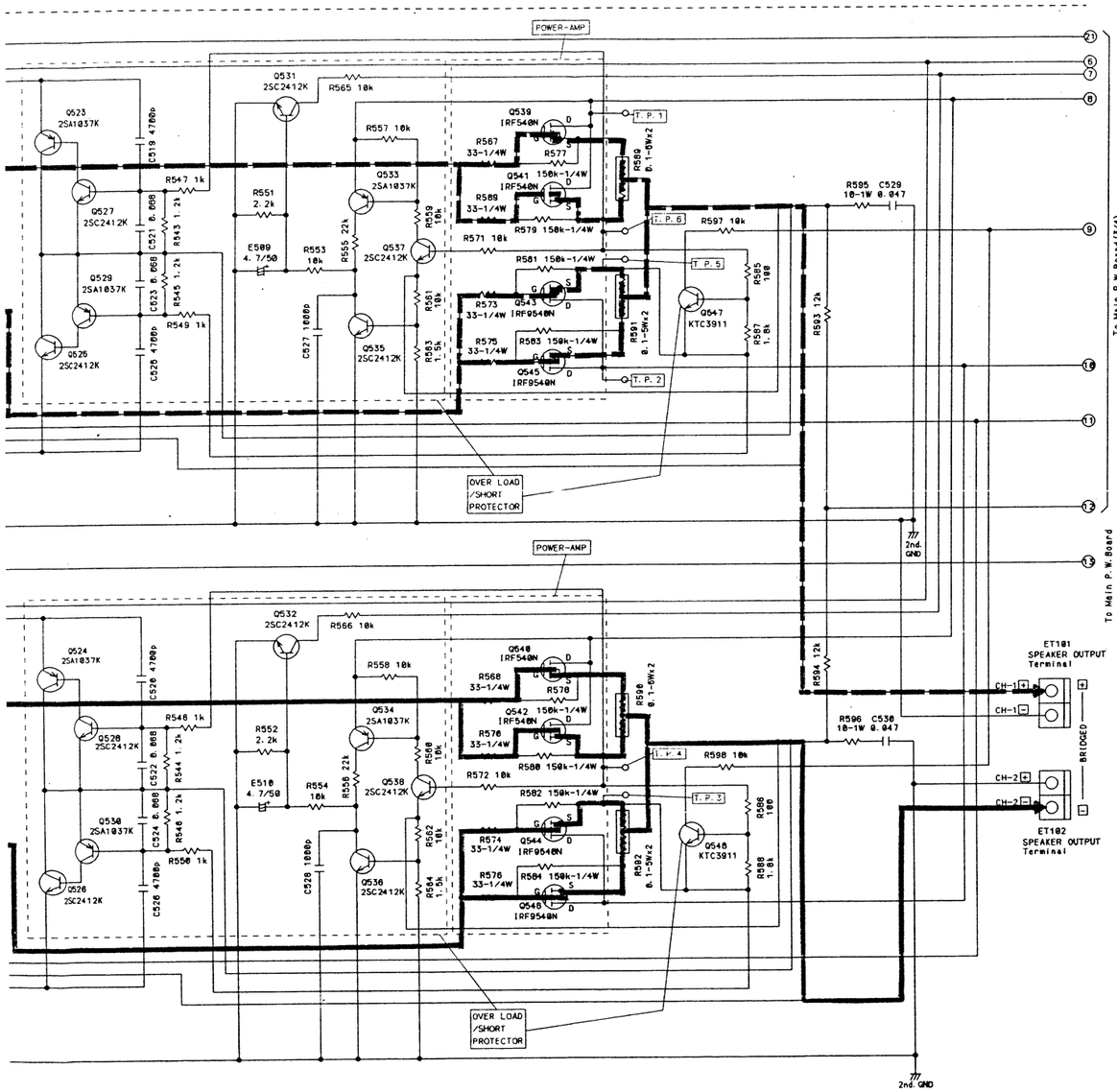
1~3	0V
4	-15V
5~7	0V
8	15.2V

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input

NOTE:

1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. $P = \frac{1}{1{,}000{,}000}$



	G	D	S		G	D	S
Q539	3.3V	39V	0V	Q543	-3.5V	-39V	0V
Q540	3.3V	39V	0V	Q544	-3.5V	-39V	0V
Q541	3.3V	39V	0V	Q545	-3.5V	-39V	0V
Q542	3.3V	39V	0V	Q546	-3.5V	-39V	0V

	E	C	B		E	C	B		E	C	B
Q503	43.7V	43V	43V	Q517	-0.8V	3.9V	0V	Q531	0V	39V	0V
Q504	43.7V	43V	43V	Q518	-0.8V	3.9V	0V	Q532	0V	39V	0V
Q505	43.7V	43V	43V	Q519	39V	44V	3.3V	Q533	39V	0V	39V
Q506	43.7V	43V	43V	Q520	39V	44V	3.3V	Q534	39V	0V	39V
Q507	9.3V	43.1V	9.9V	Q521	-3.5V	-44V	-4V	Q535	0V	0V	0V
Q508	9.3V	43.1V	9.9V	Q522	-3.5V	-44V	-4V	Q536	0V	0V	0V
Q509	9.3V	43V	9.9V	Q523	0V	0V	0V	Q537	0V	39V	0V
Q510	9.3V	43V	9.9V	Q524	0V	0V	0V	Q538	0V	39V	0V
Q511	-42.6V	0.4V	-42V	Q525	0V	0V	0V	Q547	0V	39V	0V
Q512	-42.7V	0.4V	-42V	Q526	0V	0V	0V	Q548	0V	39V	0V
Q513	-42.5V	-4V	-42.1V	Q527	0V	0V	0V	Q807	0V	0V	0V
Q514	-42.8V	-4.1V	-42.2V	Q528	0V	0V	0V	Q808	0V	0V	0V
Q515	43.6V	3.7V	43.1V	Q529	0V	0V	0V				
Q516	43.6V	3.8V	43.1V	Q530	0V	0V	0V				

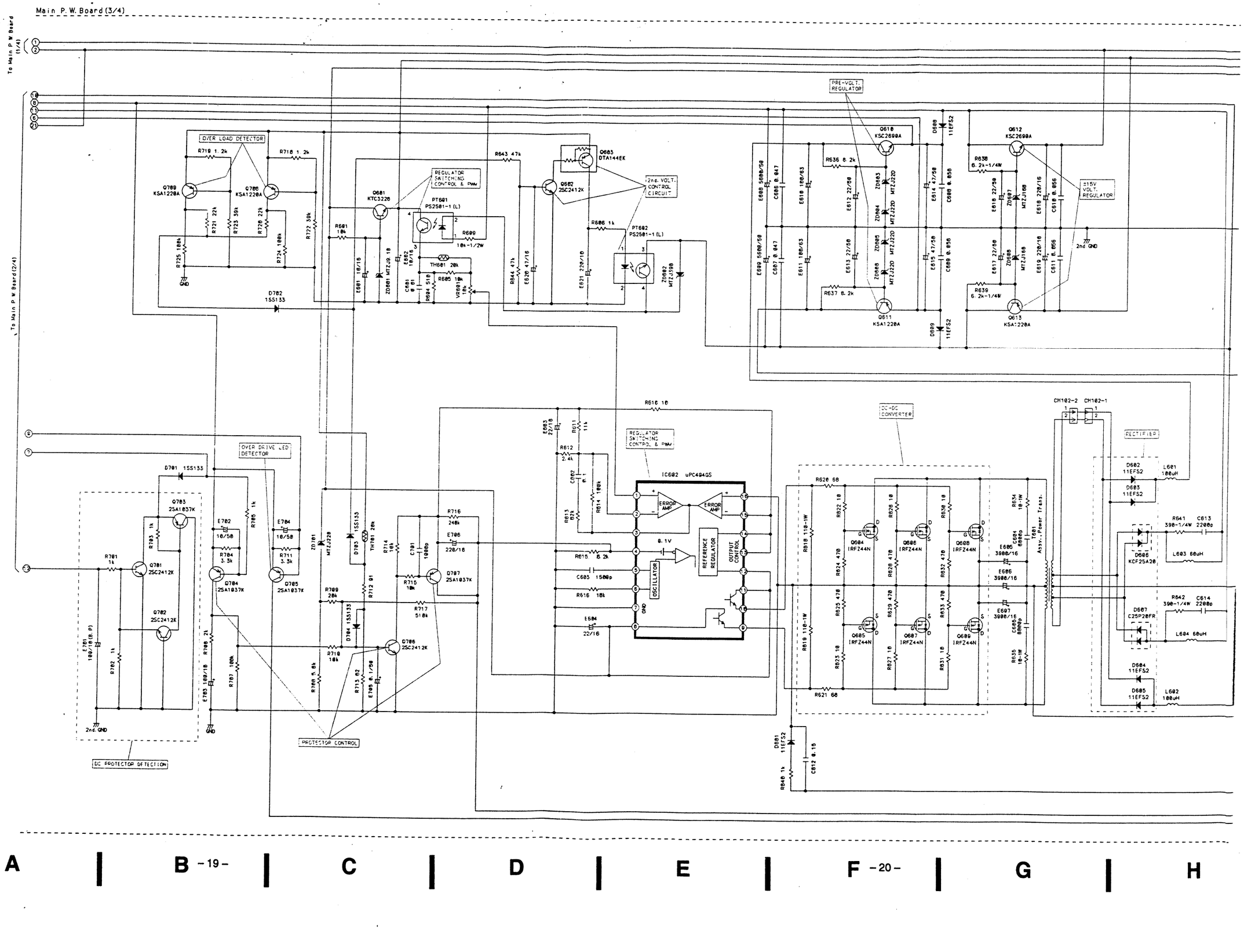
	1	2	3	4	5	6	7
Q501	9.2V	0V	0.4V	NC	0.4V	0V	9.2V
Q502	9.2V	0V	0.4V	NC	0.4V	0V	9.2V

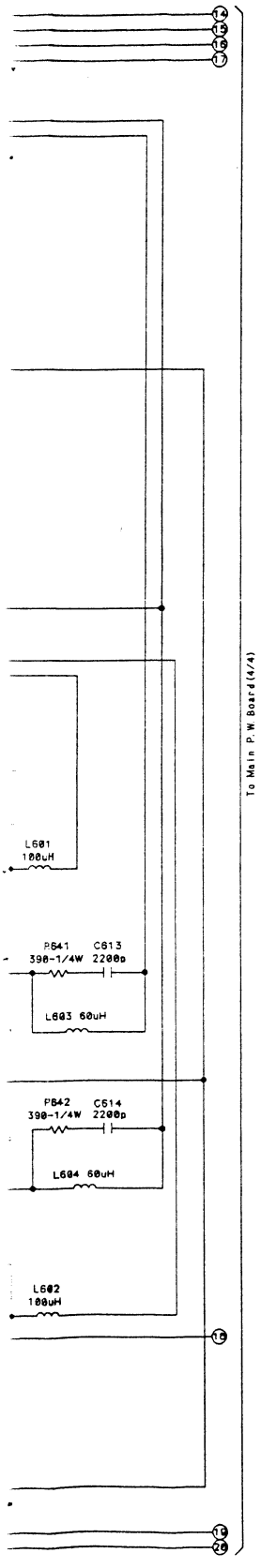
[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input

NOTE:
1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. $P = \frac{1}{1,000,000}$

Schematic Diagram (3/4)





IC602

1, 2	0.9V	8	14.2V
3	3.2V	9, 10	1.8V
4	0.2V	11, 12	14.2V
5	1.7V	13-15	5V
6	3.8V	16	0V
7	0V		

	G	D	S		G	D	S
Q604	0V	14.4V	1.2V	Q607	0V	14.4V	1.2V
Q605	0V	14.4V	1.2V	Q608	0V	14.4V	1.2V
Q606	0V	14.4V	1.2V	Q609	0V	14.4V	1.2V

	E	C	B		E	C	B
Q601	8.1V	14.3V	8.7V	Q702	0V	38.7V	0V
Q602	0V	8.1V	0V	Q703	38.7V	0V	38.7V
Q603	0V	0.7V	0V	Q704	39V	0V	39V
Q610	15.3V	39V	15.9V	Q705	39V	0V	39V
Q611	-15.3V	-39V	-15.9V	Q706	0V	5V	0V
Q612	44V	54V	44.6V	Q707	5V	0.2V	5V
Q613	-44V	-54V	-44.6V	Q708	8V	0V	8V
Q701	0V	38.7V	0V	Q709	8V	0V	8V

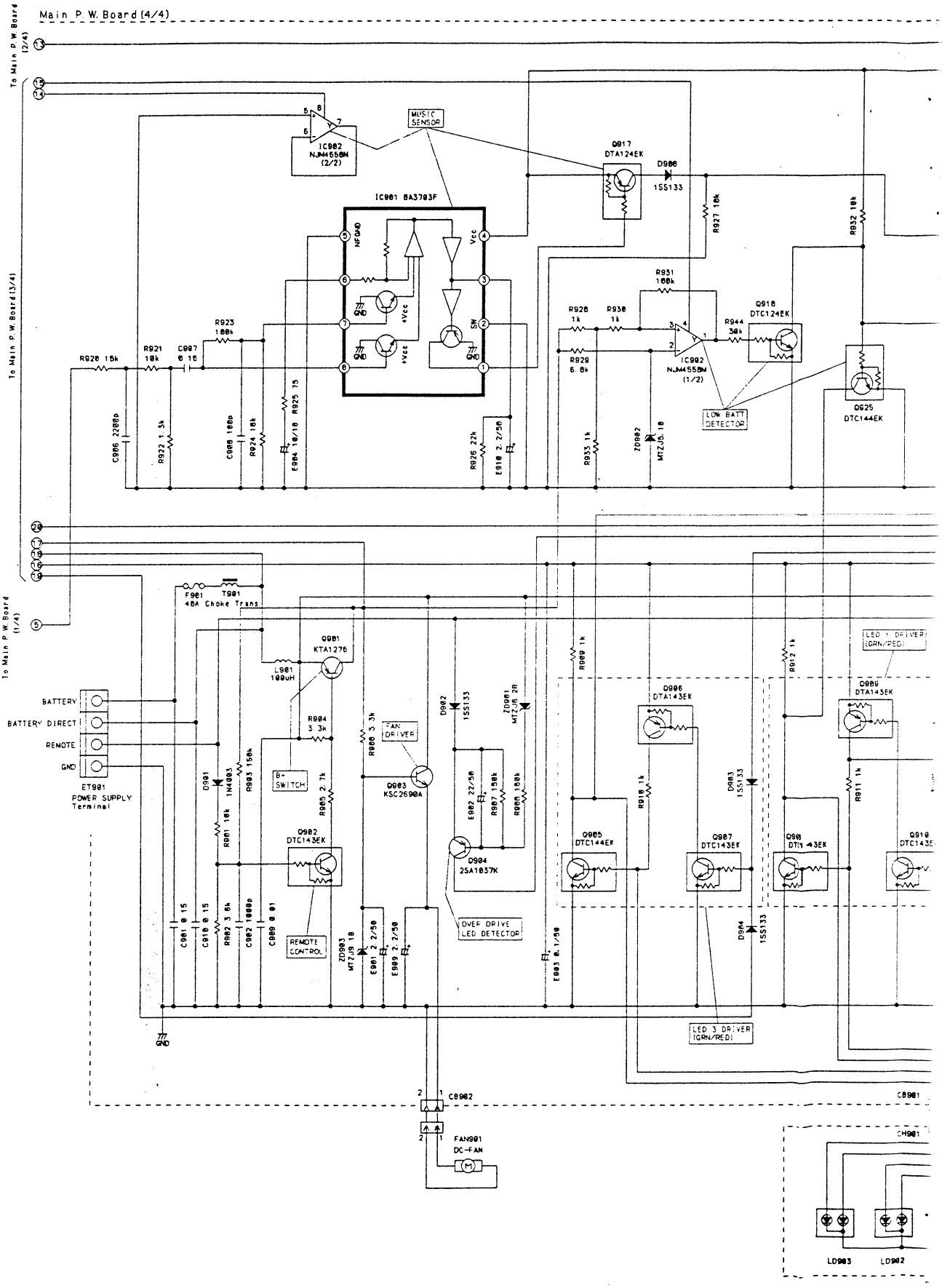
[Measuring Conditions]

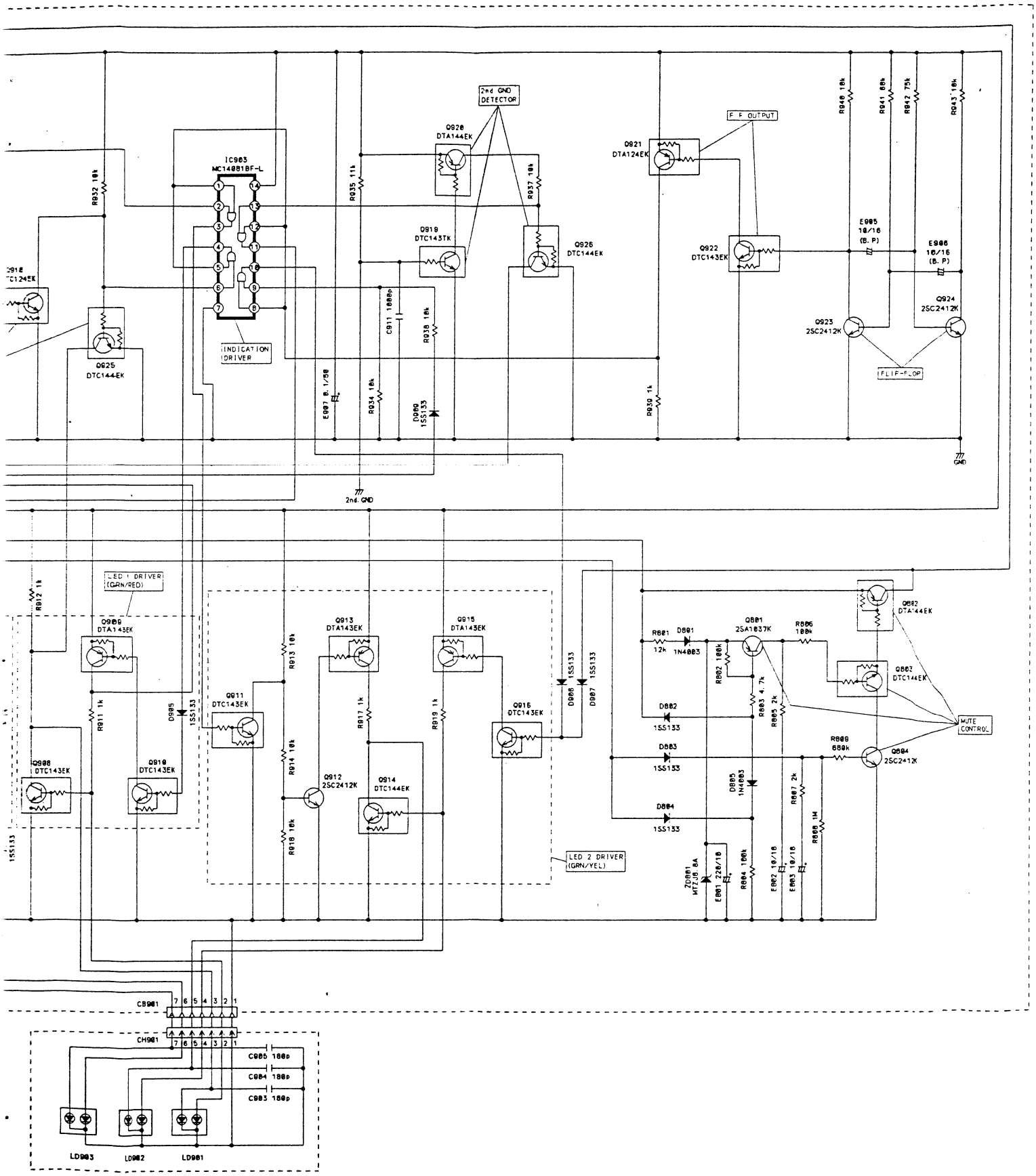
- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input

NOTE:

1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. P = $\frac{1}{1,000,000}$

Schematic Diagram (4/4)




IC903
MC14081BF-L
INDICATION DRIVER
2nd GND DETECTOR
F.F OUTPUT
FLIP-FLOP
LED 1 DRIVER (GRN/RED)
LED 2 DRIVER (GRN/YEL)
MUTE CONTROL
2nd. GND
GND
CB901
CH901
LD903
LD902
LD901
C905 180p
C904 180p
C903 180p

IC901

1	8V
2, 3	0V
4	8V
5	0V
6	0.6V
7, 8	0V

IC902

1	14.5V
2	4.7V
3	7.2V
4	-15V
5-7	0V
8	15.2V

IC903

1	—	9-11	0V
2-4	0V	12	—
5	—	13	0V
6, 7	0V	14	8V
8	—		

	E	C	B		E	C	B		E	C	B
Q801	6.3V	0V	6.3V	Q907	0V	8V	0V	Q917	8V	0V	8V
Q802	14.4V	-7.5V	14.4V	Q908	0V	8V	0V	Q918	0V	0V	14.5V
Q803	0V	14.4V	0V	Q909	8V	0V	8V	Q919	0V	8V	0V
Q804	0V	0V	0.6V	Q910	0V	8V	0V	Q920	8V	0V	8V
Q901	14.4V	14.3V	13.7V	Q911	0V	4.4V	0V	Q921	8V	—	—
Q902	0V	0V	2.6V	Q912	0V	0V	0.7V	Q922	0V	—	—
Q903	8V	14.4V	8.7V	Q913	8V	8V	0V	Q923	0V	—	—
Q904	13.8V	0V	13.8V	Q914	0V	8V	0V	Q924	0V	—	—
Q905	0V	2V	0V	Q915	8V	0V	8V	Q925	0V	8V	0V
Q906	8V	0V	8V	Q916	0V	8V	0V	Q926	0V	8V	0V

[Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Voltmeter
- Measuring Point Reference : Between Ground
- Measuring Conditions : No Signal Input

NOTE:

1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. $P = \frac{1}{1{,}000{,}000}$

Electrical Parts List

Capacitor : μ F=microfarads,pF=picofarads

Abbreviations	
RES.= Resistor	CAP.= Capacitor
C.F.= Carbon Film	ELY.= Electrolytic
M.F.= Metal Film	CER.= Ceramic
M.O.= Metal Oxide Film	MYL.= Mylar
M.P.= Metal Plate	TAN.= Tantalum
TR. = Transistor	POLY.= Polystyrol
TRANS.= Transformer	PP. = Polypropylene
CP. = Chip	PLT.= Polyethylene
	PF. = Polyester Film

Symbol No.	Part No.	Description
Main P.W.Board		
IC's		
IC101	51E29404S01	IC,NJM 4560L
IC102	51E29404S01	IC,NJM 4560L
IC103	51E22130S01	IC,NJM 4560M-TE3
IC201	51E22130S01	IC,NJM 4560M-TE3
IC202	51E22130S01	IC,NJM 4560M-TE3
IC203	51E22130S01	IC,NJM 4560M-TE3
IC204	51E22130S01	IC,NJM 4560M-TE3
IC205	51E22130S01	IC,NJM 4560M-TE3
IC206	51E22130S01	IC,NJM 4560M-TE3
IC207	51E22130S01	IC,NJM 4560M-TE3
IC208	51E22130S01	IC,NJM 4560M-TE3
IC209	51E22130S01	IC,NJM 4560M-TE3
IC301	51E29404S01	IC,NJM 4560L
IC602	51E27890S01	IC,μPC494GS
IC901	51E29513S01	BA3703F
IC902	51E20551S01	IC,NJM 4558M-TE3
IC903	51T25386Y01	MC14081BF-L
Transistors/FET's		
Q501	48T61719F01	FET,TKR 2SK 389BL
Q502	48T61719F01	FET,TKR 2SK 389BL
Q503	48E09036S02	TR,KTA 1266-Y -RD
Q504	48E09036S02	TR,KTA 1266-Y -RD
Q505	48E09036S02	TR,KTA 1266-Y -RD
Q506	48E09036S02	TR,KTA 1266-Y -RD
Q507	48E09088S01	TR,KTC 3198-Y -RD
Q508	48E09088S01	TR,KTC 3198-Y -RD
Q509	48E09088S01	TR,KTC 3198-Y -RD
Q510	48E09088S01	TR,KTC 3198-Y -RD
Q511	48E09088S01	TR,KTC 3198-Y -RD
Q512	48E09088S01	TR,KTC 3198-Y -RD
Q513	48E29575S01	TR,KTC 3200-GR -RD
Q514	48E29575S01	TR,KTC 3200-GR -RD

Symbol No.	Part No.	Description
Q515	48E29574S01	TR,KTA 1268-GR -RD
Q516	48E29574S01	TR,KTA 1268-GR -RD
Q517	48E08329S01	TR,KSC 2682-Y
Q518	48E08329S01	TR,KSC 2682-Y
Q519	48E10027S01	TR,KSC 2690A-Y
Q520	48E10027S01	TR,KSC 2690A-Y
Q521	48E05943S01	TR,KSA 1220A-Y
Q522	48E05943S01	TR,KSA 1220A-Y
Q523	48E22900S01	TR,2SA1037K-Q,R,S-CP
Q524	48E22900S01	TR,2SA1037K-Q,R,S-CP
Q525	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q526	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q527	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q528	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q529	48E22900S01	TR,2SA1037K-Q,R,S-CP
Q530	48E22900S01	TR,2SA1037K-Q,R,S-CP
Q531	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q532	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q533	48E22900S01	TR,2SA1037K-Q,R,S-CP
Q534	48E22900S01	TR,2SA1037K-Q,R,S-CP
Q535	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q536	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q537	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q538	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q539	48T25535Y01	FET,IRF 540N
Q540	48T25535Y01	FET,IRF 540N
Q541	48T25535Y01	FET,IRF 540N
Q542	48T25535Y01	FET,IRF 540N
Q543	48T25536Y01	FET,IRF 9540N
Q544	48T25536Y01	FET,IRF 9540N
Q545	48T25536Y01	FET,IRF 9540N
Q546	48T25536Y01	FET,IRF 9540N
Q547	48E29545S01	TR,KTC 3911-GR-CP
Q548	48E29545S01	TR,KTC 3911-GR-CP
Q601	48E23701S01	TR,KTC 3228-O -RD
Q602	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q603	48E23697S01	TR,DTA144EK-T-146-CP
Q604	48E29536S01	FET,IRFZ 44N
Q605	48E29536S01	FET,IRFZ 44N
Q606	48E29536S01	FET,IRFZ 44N
Q607	48E29536S01	FET,IRFZ 44N
Q608	48E29536S01	FET,IRFZ 44N
Q609	48E29536S01	FET,IRFZ 44N
Q610	48E10027S01	TR,KSC 2690A-Y
Q611	48E05943S01	TR,KSA 1220A-Y
Q612	48E10027S01	TR,KSC 2690A-Y

Symbol No.	Part No.	Description
Q613	48E05943S01	TR,KSA 1220A-Y
Q701	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q702	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q703	48E22900S01	TR,2SA1037K-Q,R,S-CP
Q704	48E22900S01	TR,2SA1037K-Q,R,S-CP
Q705	48E22900S01	TR,2SA1037K-Q,R,S-CP
Q706	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q707	48E22900S01	TR,2SA1037K-Q,R,S-CP
Q708	48E05943S01	TR,KSA 1220A-Y
Q709	48E05943S01	TR,KSA 1220A-Y
Q801	48E22900S01	TR,2SA1037K-Q,R,S-CP
Q802	48E23697S01	TR,DTA144EK-T-146-CP
Q803	48E22555S01	TR,DTC144EK-T-146-CP
Q804	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q807	48E08335S01	TR,KTC 2878-B -RD
Q808	48E08335S01	TR,KTC 2878-B -RD
Q901	48E23700S01	TR,KTA 1275-O -RD
Q902	48E22903S01	TR,DTC143EK-T-146-CP
Q903	48E10027S01	TR,KSC 2690A-Y
Q904	48E22900S01	TR,2SA1037K-Q,R,S-CP
Q905	48E22555S01	TR,DTC144EK-T-146-CP
Q906	48E23890S01	TR,DTA143EK-T-146-CP
Q907	48E22903S01	TR,DTC143EK-T-146-CP
Q908	48E22903S01	TR,DTC143EK-T-146-CP
Q909	48E23890S01	TR,DTA143EK-T-146-CP
Q910	48E22903S01	TR,DTC143EK-T-146-CP
Q911	48E22903S01	TR,DTC143EK-T-146-CP
Q912	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q913	48E23890S01	TR,DTA143EK-T-146-CP
Q914	48E22555S01	TR,DTC144EK-T-146-CP
Q915	48E23890S01	TR,DTA143EK-T-146-CP
Q916	48E22903S01	TR,DTC143EK-T-146-CP
Q917	48E22092S01	TR,DTA124EK-T-146-CP
Q918	48E10426S01	TR,DTC124EK-T-146-CP
Q919	48E29514S01	TR,DTC143TK-T-146-CP
Q920	48E23697S01	TR,DTA144EK-T-146-CP
Q921	48E22092S01	TR,DTA124EK-T-146-CP
Q922	48E22903S01	TR,DTC143EK-T-146-CP
Q923	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q924	48E22902S01	TR,2SC2412K-Q,R,S-T146-CP
Q925	48E22555S01	TR,DTC144EK-T-146-CP
Q926	48E22555S01	TR,DTC144EK-T-146-CP
Diodes		
D501	48E22916S01	DIO,1SS133-T-77 -AX
D502	48E22916S01	DIO,1SS133-T-77 -AX
D503	48E22916S01	DIO,1SS133-T-77 -AX

Symbol No.	Part No.	Description
D504	48E22916S01	DIO,1SS133-T-77 -AX
D601	48E25517S01	DIO,11EFS2
D602	48E25517S01	DIO,11EFS2
D603	48E25517S01	DIO,11EFS2
D604	48E25517S01	DIO,11EFS2
D605	48E25517S01	DIO,11EFS2
D606	48T25235Y01	DIO,KCF25A20
D607	48T25236Y01	DIO,C25P20FR
D608	48E25517S01	DIO,11EFS2
D609	48E25517S01	DIO,11EFS2
D701	48E22916S01	DIO,1SS133-T-77 -AX
D702	48E22916S01	DIO,1SS133-T-77 -AX
D703	48E22916S01	DIO,1SS133-T-77 -AX
D704	48E22916S01	DIO,1SS133-T-77 -AX
D801	48E23703S01	DIO,1N 4003 -AX
D802	48E22916S01	DIO,1SS133-T-77 -AX
D803	48E22916S01	DIO,1SS133-T-77 -AX
D804	48E22916S01	DIO,1SS133-T-77 -AX
D805	48E23703S01	DIO,1N 4003 -AX
D808	48E22916S01	DIO,1SS133-T-77 -AX
D809	48E22916S01	DIO,1SS133-T-77 -AX
D901	48E23703S01	DIO,1N 4003 -AX
D902	48E22916S01	DIO,1SS133-T-77 -AX
D903	48E22916S01	DIO,1SS133-T-77 -AX
D904	48E22916S01	DIO,1SS133-T-77 -AX
D905	48E22916S01	DIO,1SS133-T-77 -AX
D906	48E22916S01	DIO,1SS133-T-77 -AX
D907	48E22916S01	DIO,1SS133-T-77 -AX
D908	48E22916S01	DIO,1SS133-T-77 -AX
D909	48E22916S01	DIO,1SS133-T-77 -AX
ZD501	48T83128F26	DIO,ZEN,HZS 9C2L-A5
ZD502	48T83128F26	DIO,ZEN,HZS 9C2L-A5
ZD503	48T25801W01	DIO,ZEN,HZS 2ALL-R5
ZD504	48T25801W01	DIO,ZEN,HZS 2ALL-R5
ZD601	48E22162S01	DIO,ZEN,MTZJ9.1B-AX
ZD602	48E25568S01	DIO,ZEN,MTZJ39B -AX
ZD603	48E29583S01	DIO,ZEN,MTZJ22D -AX
ZD604	48E29583S01	DIO,ZEN,MTZJ22D -AX
ZD605	48E29583S01	DIO,ZEN,MTZJ22D -AX
ZD606	48E29583S01	DIO,ZEN,MTZJ22D -AX
ZD607	48E22436S01	DIO,ZEN,MTZJ16B -AX
ZD608	48E22436S01	DIO,ZEN,MTZJ16B -AX
ZD701	48E08332S01	DIO,ZEN,MTZJ22B -AX
ZD801	48E22917S01	DIO,ZEN,MTZJ6.8A-AX
ZD901	48E29521S01	DIO,ZEN,MTZJ6.2B-AX
ZD902	48E22944S01	DIO,ZEN,MTZJ5.1B-AX
ZD903	48E22162S01	DIO,ZEN,MTZJ9.1B-AX

Symbol No.	Part No.	Description
Coils		
L601	24E29518S01	CHOKE COIL +,-10%(100uH)
L602	24E29518S01	CHOKE COIL +,-10%(100uH)
L603	24E29561S01	CHOKE COIL(60uH)
L604	24E29561S01	CHOKE COIL(60uH)
L901	24E29518S01	CHOKE COIL +,-10%(100uH)
Switches		
SW201	40E23679S01	S/W,SSAF122NA (PARAME EQ)
SW301	40E20895S01	S/W,SSAF123NA (FILTER)
SW302	40E20895S01	S/W,SSAF123NA (INPUT MODE)
SW303	40T94668F06	S/W,SSSF142 (PHASE)
Transformers		
T601	25E29559S01	ASS'Y POWER TRANS
T901	25E29560S01	CHOKE TRANS 35m/m
Thermistors		
TH601	48E20887S01	TH,YTD5-320(20K)-YEL
TH701	48E20887S01	TH,YTD5-320(20K)-YEL
Photo Couplers		
PT601	48E25501S01	PS2501-1(L)
PT602	48E25501S01	PS2501-1(L)
Capacitors		
C101	08E20917S01	CAP,CER,101-K-B -AX
C102	08E20917S01	CAP,CER,101-K-B -AX
C103	08E23581S01	CAP,CER,330-J-CP 50V
C104	08E23581S01	CAP,CER,330-J-CP 50V
C105	08E08423S03	CAP,CER,100-D-CP 50V
C106	08E08423S03	CAP,CER,100-D-CP 50V
C107	08E23581S01	CAP,CER,330-J-CP 50V
C108	08E23581S01	CAP,CER,330-J-CP 50V
C109	08E20917S01	CAP,CER,101-K-B -AX
C201	08E22899S01	CAP,CER,101-J-CP 50V
C202	08E22899S01	CAP,CER,101-J-CP 50V
C203	08E22899S01	CAP,CER,101-J-CP 50V
C204	08E22899S01	CAP,CER,101-J-CP 50V
C205	08E22435S01	CAP,TF,104-J -RD

Symbol No.	Part No.	Description
C206	08E22435S01	CAP,TF,104-J -RD
C207	08E22435S01	CAP,TF,104-J -RD
C208	08E22435S01	CAP,TF,104-J -RD
C209	08E20756S01	CAP,TF,154-J -RD
C210	08E20756S01	CAP,TF,154-J -RD
C211	08E20756S01	CAP,TF,154-J -RD
C212	08E20756S01	CAP,TF,154-J -RD
C213	08E27616S01	CAP,TF,334-J -RD
C214	08E27616S01	CAP,TF,334-J -RD
C215	08E27616S01	CAP,TF,334-J -RD
C216	08E22435S01	CAP,TF,104-J -RD
C217	08E22526S01	CAP,TF,823-J -RD
C218	08E23699S01	CAP,TF,224-J -RD
C219	08E20755S01	CAP,TF,333-J -RD
C220	08E22899S01	CAP,CER,101-J-CP 50V
C301	08E23581S01	CAP,CER,330-J-CP 50V
C302	08E23695S01	CAP,CER,5R0-C-CP 50V
C501	08E20073S01	CAP,CER,151-K-B -AX
C502	08E20073S01	CAP,CER,151-K-B -AX
C503	21E06808S03	CAP,CER,102-J-B -AX
C504	21E06808S03	CAP,CER,102-J-B -AX
C505	08E20915S01	CAP,CER,470-J-SL -AX
C506	08E20915S01	CAP,CER,470-J-SL -AX
C507	08E20072S01	CAP,CER,100-J-CH -AX
C508	08E20072S01	CAP,CER,100-J-CH -AX
C509	08E20216S01	CAP,MYL,103-J -RD
C510	08E20216S01	CAP,MYL,103-J -RD
C511	08E25510S01	CAP,CER,151-J-CP 50V
C512	08E25510S01	CAP,CER,151-J-CP 50V
C513	08E25510S01	CAP,CER,151-J-CP 50V
C514	08E25510S01	CAP,CER,151-J-CP 50V
C515	08E25510S01	CAP,CER,151-J-CP 50V
C516	08E25510S01	CAP,CER,151-J-CP 50V
C517	08E25510S01	CAP,CER,151-J-CP 50V
C518	08E25510S01	CAP,CER,151-J-CP 50V
C519	08E08577S03	CAP,CER,472-K-CP 50V
C520	08E08577S03	CAP,CER,472-K-CP 50V
C521	08E20071S01	CAP,MYL,683-J -RD
C522	08E20071S01	CAP,MYL,683-J -RD
C523	08E20071S01	CAP,MYL,683-J -RD
C524	08E20071S01	CAP,MYL,683-J -RD
C525	08E08577S03	CAP,CER,472-K-CP 50V
C526	08E08577S03	CAP,CER,472-K-CP 50V
C527	08E22081S01	CAP,CER,102-J-CP 50V
C528	08E22081S01	CAP,CER,102-J-CP 50V
C529	08E07631S18	CAP,MYL,473-K -RD
C530	08E07631S18	CAP,MYL,473-K -RD
C601	08E20216S01	CAP,MYL,103-J -RD
C602	08E07631S08	CAP,MYL,104-J -RD

Symbol No.	Part No.	Description
C603	08E25318S01	CAP,TF,152-J -RD
C604	08E20912S01	CAP,MYL,682-J -RD
C605	08E20912S01	CAP,MYL,682-J -RD
C606	08E07631S18	CAP,MYL,473-K -RD
C607	08E07631S18	CAP,MYL,473-K -RD
C608	08E20913S01	CAP,MYL,563-J -RD
C609	08E20913S01	CAP,MYL,563-J -RD
C610	08E20913S01	CAP,MYL,563-J -RD
C611	08E20913S01	CAP,MYL,563-J -RD
C612	08E07631S11	CAP,MYL,154-J -RD
C613	08E27920S01	CAP,CER,222-J-CP 50V
C614	08E27920S01	CAP,CER,222-J-CP 50V
C701	08E22081S01	CAP,CER,102-J-CP 50V
C901	08E20756S01	CAP,TF,154-J -RD
C902	08E22081S01	CAP,CER,102-J-CP 50V
C906	08E29509S01	CAP,CER,222-M-X -AX
C907	08E07631S11	CAP,MYL,154-J -RD
C908	08E22899S01	CAP,CER,101-J-CP 50V
C909	08E22969S01	CAP,TF,103-J -RD
C910	08E20756S01	CAP,TF,154-J -RD
C911	08E22081S01	CAP,CER,102-J-CP 50V
E101	23E29495S01	CAP,ELE,10/16-BP-RD
E102	23E29495S01	CAP,ELE,10/16-BP-RD
E103	23E08383S16	CAP,ELEC,4.7/50 -RD
E104	23E08383S16	CAP,ELEC,4.7/50 -RD
E107	23E08383S08	CAP,ELEC,10/16 -RD
E108	23E08383S08	CAP,ELEC,10/16 -RD
E201	23E08383S08	CAP,ELEC,10/16 -RD
E202	23E08383S08	CAP,ELEC,10/16 -RD
E203	23E08383S08	CAP,ELEC,10/16 -RD
E204	23E08383S08	CAP,ELEC,10/16 -RD
E205	23E08383S08	CAP,ELEC,10/16 -RD
E206	23E08383S08	CAP,ELEC,10/16 -RD
E207	23E08383S08	CAP,ELEC,10/16 -RD
E301	23E08383S13	CAP,ELEC,22/16 -RD
E302	23E08383S13	CAP,ELEC,22/16 -RD
E303	23E08383S13	CAP,ELEC,22/16 -RD
E304	23E08383S13	CAP,ELEC,22/16 -RD
E501	23E08383S10	CAP,ELEC,0.47/50 -RD
E502	23E08383S10	CAP,ELEC,0.47/50 -RD
E503	23E08383S03	CAP,ELEC,220/10 -RD
E504	23E08383S03	CAP,ELEC,220/10 -RD
E505	23E08383S10	CAP,ELEC,0.47/50 -RD
E506	23E08383S10	CAP,ELEC,0.47/50 -RD
E507	23E08383S12	CAP,ELEC,22/50 -RD
E508	23E08383S12	CAP,ELEC,22/50 -RD
E509	23E08383S16	CAP,ELEC,4.7/50 -RD
E510	23E08383S16	CAP,ELEC,4.7/50 -RD
E601	23E08383S08	CAP,ELEC,10/16 -RD

Symbol No.	Part No.	Description
E602	23E08383S08	CAP,ELEC,10/16 -RD
E603	23E08383S13	CAP,ELEC,22/16 -RD
E604	23E08383S13	CAP,ELEC,22/16 -RD
E605	23T25139Y01	CAP,PW 392 1C
E606	23T25139Y01	CAP,PW 392 1C
E607	23T25139Y01	CAP,PW 392 1C
E608	23T25273Y02	CAP,LPO 562 1H
E609	23T25273Y02	CAP,LPO 562 1H
E610	23E25564S01	CAP,ELEC,100/63
E611	23E25564S01	CAP,ELEC,100/63
E612	23E08383S12	CAP,ELEC,22/50 -RD
E613	23E08383S12	CAP,ELEC,22/50 -RD
E614	23E29573S01	CAP,ELEC,47/50 -RD
E615	23E29573S01	CAP,ELEC,47/50 -RD
E616	23E08383S12	CAP,ELEC,22/50 -RD
E617	23E08383S12	CAP,ELEC,22/50 -RD
E618	23E20210S01	CAP,ELEC,220/16 -RD
E619	23E20210S01	CAP,ELEC,220/16 -RD
E620	23E20208S01	CAP,ELEC,47/16 -RD
E621	23E08383S03	CAP,ELEC,220/10 -RD
E701	23E11142S01	CAP,ELE,100/10-BP-RD
E702	23E22158S01	CAP,ELEC,10/50 -RD
E703	23E20849S01	CAP,ELEC,100/10 -RD
E704	23E22158S01	CAP,ELEC,10/50 -RD
E705	23E08383S18	CAP,ELEC,0.1/50 -RD
E706	23E08383S03	CAP,ELEC,220/10 -RD
E801	23E08383S03	CAP,ELEC,220/10 -RD
E802	23E08383S08	CAP,ELEC,10/16 -RD
E803	23E08383S08	CAP,ELEC,10/16 -RD
E901	23E22905S01	CAP,ELEC,2.2/50 -RD
E902	23E08383S12	CAP,ELEC,22/50 -RD
E903	23E08383S18	CAP,ELEC,0.1/50 -RD
E904	23E08383S08	CAP,ELEC,10/16 -RD
E905	23E29495S01	CAP,ELE,10/16-BP-RD
E906	23E29495S01	CAP,ELE,10/16-BP-RD
E907	23E08383S18	CAP,ELEC,0.1/50 -RD
E909	23E22905S01	CAP,ELEC,2.2/50 -RD
E910	23E22905S01	CAP,ELEC,2.2/50 -RD

Resistors

R101	—	RES,CF,101-J-1/8 -AX
R102	—	RES,CF,101-J-1/8 -AX
R103	—	RES,CF,223-J-1/8 -AX
R104	—	RES,CF,223-J-1/8 -AX
R105	—	RES,CF,751-J-1/8 -AX
R106	06E23734S01	RES,CF,751-J-1/8 -CP
R107	—	RES,CF,273-J-1/8 -AX

Symbol No.	Part No.	Description
R108	06E23594S01	RES,CF,273-J-1/8 -CP
R109	—	RES,CF,622-J-1/8 -AX
R110	—	RES,CF,622-J-1/8 -AX
R111	—	RES,CF,103-J-1/8 -AX
R112	—	RES,CF,103-J-1/8 -AX
R113	—	RES,CF,152-J-1/8 -AX
R114	—	RES,CF,152-J-1/8 -AX
R115	—	RES,CF,911-J-1/8 -AX
R116	—	RES,CF,911-J-1/8 -AX
R119	06E22060S01	RES,CF,223-J-1/10-CP
R120	06E22060S01	RES,CF,223-J-1/10-CP
R121	06E22041S01	RES,CF,101-J-1/10 -CP
R122	06E21161S01	RES CF,101-J-1/8 -CP
R123	06E20904S01	RES CF,273-J-1/10 -CP
R124	06E20904S01	RES CF,273-J-1/10 -CP
R125	06E22544S01	RES,CF,751-J-1/10 -CP
R126	06E22544S01	RES,CF,751-J-1/10 -CP
R201	06E22062S01	RES,CF,473-J-1/10-CP
R202	06E22062S01	RES,CF,473-J-1/10-CP
R203	06E26014S01	RES,CF,103-J-1/8 -CP
R204	06E26014S01	RES,CF,103-J-1/8 -CP
R205	06E20903S01	RES,CF,103-J-1/10 -CP
R206	06E20903S01	RES,CF,103-J-1/10 -CP
R207	06E20903S01	RES,CF,103-J-1/10 -CP
R208	06E20903S01	RES,CF,103-J-1/10 -CP
R209	06E20903S01	RES,CF,103-J-1/10 -CP
R210	06E20903S01	RES,CF,103-J-1/10 -CP
R211	06E20903S01	RES,CF,103-J-1/10 -CP
R212	06E20903S01	RES,CF,103-J-1/10 -CP
R213	06E22062S01	RES,CF,473-J-1/10-CP
R214	06E22062S01	RES,CF,473-J-1/10-CP
R215	06E22896S01	RES,CF,912-J-1/10 -CP
R216	06E22896S01	RES,CF,912-J-1/10 -CP
R217	06E20903S01	RES,CF,103-J-1/10 -CP
R218	06E20903S01	RES,CF,103-J-1/10 -CP
R219	06E20903S01	RES,CF,103-J-1/10 -CP
R220	06E20903S01	RES,CF,103-J-1/10 -CP
R221	06E22057S01	RES,CF,822-J-1/10 -CP
R222	06E22057S01	RES,CF,822-J-1/10 -CP
R223	06E22507S01	RES,CF,153-J-1/10 -CP
R224	06E23593S01	RES,CF,153-J-1/8 -CP
R225	06E22057S01	RES,CF,822-J-1/10 -CP
R226	06E22057S01	RES,CF,822-J-1/10 -CP
R227	06E22044S01	RES,CF,431-J-1/10 -CP
R228	06E22044S01	RES,CF,431-J-1/10 -CP
R229	06E22506S01	RES,CF,362-J-1/10 -CP
R230	06E22506S01	RES,CF,362-J-1/10 -CP
R231	06E22926S01	RES,CF,752-J-1/10 -CP
R232	06E22926S01	RES,CF,752-J-1/10 -CP

Symbol No.	Part No.	Description
R233	06E22508S01	RES,CF,203-J-1/10 -CP
R234	06E22508S01	RES,CF,203-J-1/10 -CP
R236	06E20903S01	RES,CF,103-J-1/10 -CP
R237	06E22062S01	RES,CF,473-J-1/10-CP
R238	06E22065S01	RES,CF,104-J-1/10 -CP
R239	06E22129S01	RES,CF,243-J-1/10-CP
R240	06E22057S01	RES,CF,822-J-1/10 -CP
R241	06E22057S01	RES,CF,822-J-1/10 -CP
R242	—	RES,CF,103-J-1/8 -AX
R243	06E22057S01	RES,CF,822-J-1/10 -CP
R244	06E22057S01	RES,CF,822-J-1/10 -CP
R245	06E22062S01	RES,CF,473-J-1/10-CP
R246	06E20903S01	RES,CF,103-J-1/10 -CP
R247	06E20904S01	RES,CF,273-J-1/10 -CP
R301	06E22048S01	RES,CF,102-J-1/10-CP
R302	06E22030S01	RES,CF,102-J-1/8 -CP
R303	—	RES,CF,103-J-1/8 -AX
R304	—	RES,CF,103-J-1/8 -AX
R305	—	RES,CF,751-J-1/8 -AX
R306	—	RES,CF,103-J-1/8 -AX
R307	—	RES,CF,273-J-1/8 -AX
R308	—	RES,CF,273-J-1/8 -AX
R309	—	RES,CF,912-J-1/8 -AX
R310	—	RES,CF,912-J-1/8 -AX
R311	—	RES,CF,103-J-1/8 -AX
R312	—	RES,CF,103-J-1/8 -AX
R501	—	RES,CF,562-J-1/8 -AX
R502	—	RES,CF,562-J-1/8 -AX
R503	—	RES,CF,563-J-1/8 -AX
R504	—	RES,CF,563-J-1/8 -AX
R505	—	RES,CF,121-J-1/8 -AX
R506	—	RES,CF,121-J-1/8 -AX
R507	—	RES,CF,683-J-1/8 -AX
R508	—	RES,CF,683-J-1/8 -AX
R509	—	RES,CF,121-J-1/8 -AX
R510	—	RES,CF,121-J-1/8 -AX
R511	—	RES,CF,471-J-1/8 -AX
R512	—	RES,CF,471-J-1/8 -AX
R513	—	RES,CF,101-J-1/8 -AX
R514	—	RES,CF,101-J-1/8 -AX
R515	—	RES,CF,101-J-1/8 -AX
R516	—	RES,CF,101-J-1/8 -AX
R517	—	RES,CF,683-J-1/4 -AX
R518	—	RES,CF,683-J-1/4 -AX
R519	—	RES,CF,391-J-1/8 -AX
R520	—	RES,CF,391-J-1/8 -AX
R521	—	RES,CF,331-J-1/8 -AX
R522	—	RES,CF,331-J-1/8 -AX
R523	—	RES,CF,221-J-1/8 -AX

Symbol No.	Part No.	Description
R524	——	RES,CF,221-J-1/8 -AX
R525	——	RES,CF,222-J-1/8 -AX
R526	——	RES,CF,222-J-1/8 -AX
R527	——	RES,CF,33R-J-1/8 -AX
R528	——	RES,CF,33R-J-1/8 -AX
R529	——	RES,CF,332-J-1/8 -AX
R530	——	RES,CF,332-J-1/8 -AX
R531	——	RES,CF,243-J-1/8 -AX
R532	——	RES,CF,243-J-1/8 -AX
R533	——	RES,CF,622-J-1/8 -AX
R534	——	RES,CF,622-J-1/8 -AX
R535	——	RES,CF,102-J-1/8 -AX
R536	——	RES,CF,102-J-1/8 -AX
R537	——	RES,CF,4R7-J-1/4 -AX
R538	——	RES,CF,4R7-J-1/4 -AX
R539	——	RES,CF,4R7-J-1/4 -AX
R540	——	RES,CF,4R7-J-1/4 -AX
R541	——	RES,CF,102-J-1/4 -AX
R542	——	RES,CF,102-J-1/4 -AX
R543	06E22049S01	RES,CF,122-J-1/10-CP
R544	06E22049S01	RES,CF,122-J-1/10-CP
R545	06E22049S01	RES,CF,122-J-1/10-CP
R546	06E22049S01	RES,CF,122-J-1/10-CP
R547	06E22048S01	RES,CF,102-J-1/10-CP
R548	06E22048S01	RES,CF,102-J-1/10-CP
R549	06E22030S01	RES,CF,102-J-1/8 -CP
R550	06E22048S01	RES,CF,102-J-1/10-CP
R551	06E22051S01	RES,CF,222-J-1/10-CP
R552	06E22051S01	RES,CF,222-J-1/10-CP
R553	06E20903S01	RES,CF,103-J-1/10 -CP
R554	06E20903S01	RES,CF,103-J-1/10 -CP
R555	06E22060S01	RES,CF,223-J-1/10-CP
R556	06E22060S01	RES,CF,223-J-1/10-CP
R557	06E20903S01	RES,CF,103-J-1/10 -CP
R558	06E20903S01	RES,CF,103-J-1/10 -CP
R559	06E26014S01	RES,CF,103-J-1/8 -CP
R560	06E26014S01	RES,CF,103-J-1/8 -CP
R561	06E20903S01	RES,CF,103-J-1/10 -CP
R562	06E20903S01	RES,CF,103-J-1/10 -CP
R563	06E21164S01	RES,CF,152-J-1/10-CP
R564	06E21164S01	RES,CF,152-J-1/10-CP
R565	06E20903S01	RES,CF,103-J-1/10 -CP
R566	06E20903S01	RES,CF,103-J-1/10 -CP
R567	——	RES,CF,33R-J-1/4 -AX
R568	——	RES,CF,33R-J-1/4 -AX
R569	——	RES,CF,33R-J-1/4 -AX
R570	——	RES,CF,33R-J-1/4 -AX
R571	06E20903S01	RES,CF,103-J-1/10 -CP
R572	06E20903S01	RES,CF,103-J-1/10 -CP

Symbol No.	Part No.	Description
R573	——	RES,CF,33R-J-1/4 -AX
R574	——	RES,CF,33R-J-1/4 -AX
R575	——	RES,CF,33R-J-1/4 -AX
R576	——	RES,CF,33R-J-1/4 -AX
R577	——	RES,CF,150K-J-1/4 -AX
R578	——	RES,CF,150K-J-1/4 -AX
R579	——	RES,CF,150K-J-1/4 -AX
R580	——	RES,CF,150K-J-1/4 -AX
R581	——	RES,CF,150K-J-1/4 -AX
R582	——	RES,CF,150K-J-1/4 -AX
R583	——	RES,CF,150K-J-1/4 -AX
R584	——	RES,CF,150K-J-1/4 -AX
R585	06E22041S01	RES,CF,101-J-1/10 -CP
R586	06E22041S01	RES,CF,101-J-1/10 -CP
R587	06E22050S01	RES,CF,182-J-1/10-CP
R588	06E22050S01	RES,CF,182-J-1/10-CP
R589	06E22136S01	RES,MPR 5W 0.1X2
R590	06E22136S01	RES,MPR 5W 0.1X2
R591	06E22136S01	RES,MPR 5W 0.1X2
R592	06E22136S01	RES,MPR 5W 0.1X2
R593	06E22058S01	RES,CF,123-J-1/10 -CP
R594	06E22058S01	RES,CF,123-J-1/10 -CP
R595	06E20907S01	RES,MO,1W 100E -RD
R596	06E20907S01	RES,MO,1W 100E -RD
R597	06E26014S01	RES,CF,103-J-1/8 -CP
R598	06E20903S01	RES,CF,103-J-1/10 -CP
R601	06E20903S01	RES,CF,103-J-1/10 -CP
R604	06E23857S01	RES,CF,511-J-1/10 -CP
R605	06E20903S01	RES,CF,103-J-1/10 -CP
R606	06E22048S01	RES,CF,102-J-1/10-CP
R609	06E22145S01	RES,MO,103-J 1/2W -AX
R610	06E22040S01	RES,CF,10R-J-1/10 -CP
R611	06E22112S01	RES,CF,113-J-1/10 -CP
R612	06E22968S01	RES,CF,242-J-1/8 -CP
R613	06E24358S01	RES,CF,623-J-1/10-CP
R614	06E22065S01	RES,CF,104-J-1/10 -CP
R615	06E22057S01	RES,CF,822-J-1/10 -CP
R616	06E22059S01	RES,CF,183-J-1/10-CP
R618	06E22146S01	RES,MO,1W 111E -RD
R619	06E22146S01	RES,MO,1W 111E -RD
R620	——	RES,CF,68R-J-1/8 -AX
R621	——	RES,CF,68R-J-1/8 -AX
R622	——	RES,CF,10R-J-1/8 -AX
R623	——	RES,CF,10R-J-1/8 -AX
R624	——	RES,CF,471-J-1/8 -AX
R625	——	RES,CF,471-J-1/8 -AX
R626	——	RES,CF,10R-J-1/8 -AX
R627	——	RES,CF,10R-J-1/8 -AX
R628	——	RES,CF,471-J-1/8 -AX

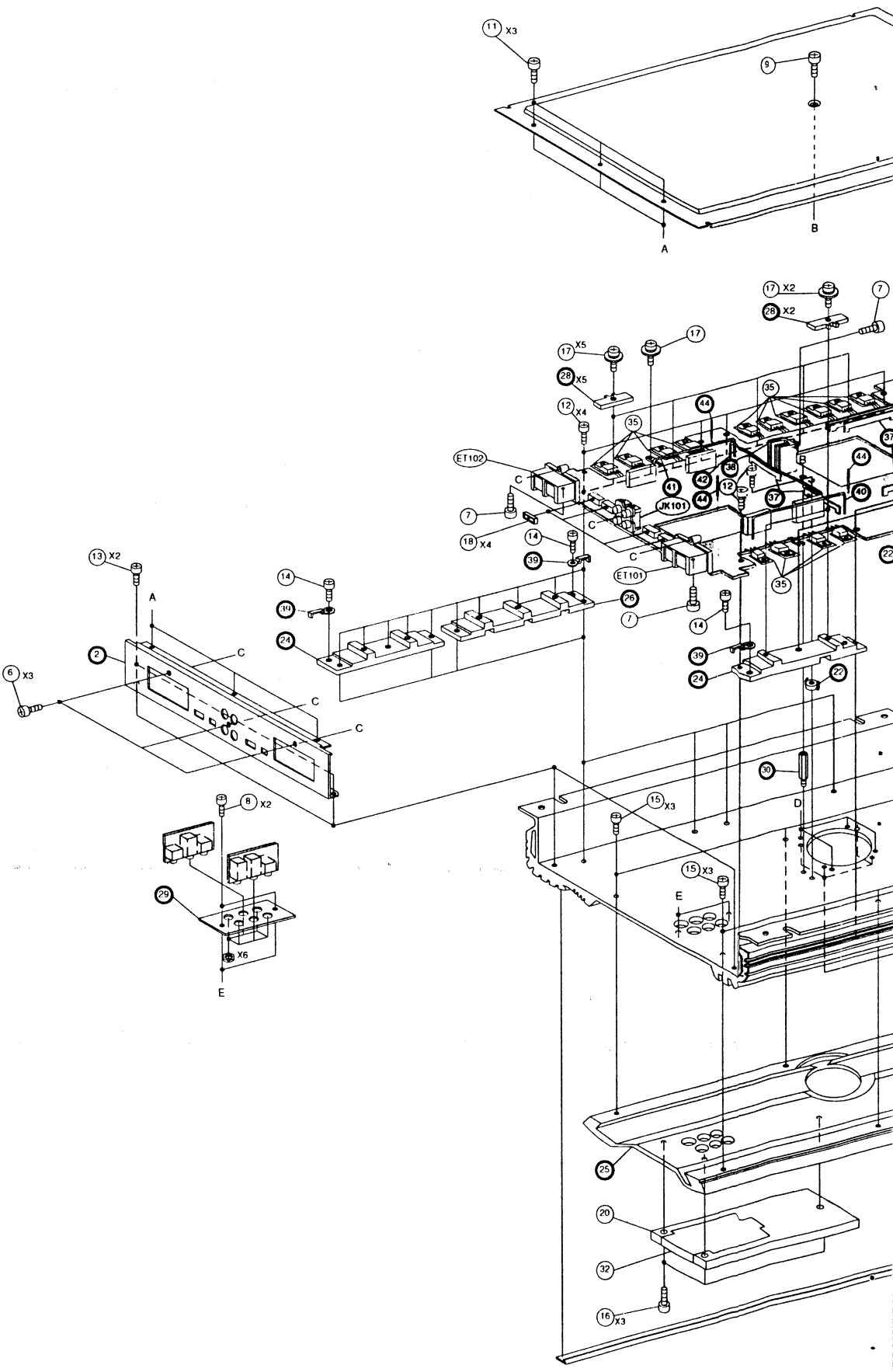
Symbol No.	Part No.	Description
R629	——	RES,CF,471-J-1/8 -AX
R630	——	RES,CF,10R-J-1/8 -AX
R631	——	RES,CF,10R-J-1/8 -AX
R632	——	RES,CF,471-J-1/8 -AX
R633	——	RES,CF,471-J-1/8 -AX
R634	06E20907S01	RES,MO,1W 100E -RD
R635	06E20907S01	RES,MO,1W 100E -RD
R636	——	RES,CF,822-J-1/8 -AX
R637	——	RES,CF,822-J-1/8 -AX
R638	——	RES,CF,622-J-1/4 -AX
R639	——	RES,CF,622-J-1/4 -AX
R640	06E22030S01	RES,CF,102-J-1/8 -CP
R641	06E23859S01	RES,CF,391-J-1/4 -CP
R642	06E23859S01	RES,CF,391-J-1/4 -CP
R643	06E22062S01	RES,CF,473-J-1/10-CP
R644	06E22062S01	RES,CF,473-J-1/10-CP
R701	06E22030S01	RES,CF,102-J-1/8 -CP
R702	06E22048S01	RES,CF,102-J-1/10-CP
R703	06E22048S01	RES,CF,102-J-1/10-CP
R704	06E22053S01	RES,CF,332-J-1/10 -CP
R705	06E22048S01	RES,CF,102-J-1/10-CP
R706	06E22545S01	RES,CF,202-J-1/10-CP
R707	06E22065S01	RES,CF,104-J-1/10 -CP
R708	06E22111S01	RES,CF,562-J-1/10 -CP
R709	06E23738S01	RES,CF,203-J-1/8 -CP
R710	06E20903S01	RES,CF,103-J-1/10 -CP
R711	06E22053S01	RES,CF,332-J-1/10 -CP
R712	06E29571S01	RES,CF,91R-J-1/10 -CP
R713	06E24142S01	RES,CF,62R-J-1/10 -CP
R714	06E20903S01	RES,CF,103-J-1/10 -CP
R715	06E20903S01	RES,CF,103-J-1/10 -CP
R716	06E23743S01	RES,CF,244-J-1/10 -CP
R717	06E23692S01	RES,CF,514-J-1/10 -CP
R718	06E22031S01	RES,CF,122-J-1/8 -CP
R719	06E22031S01	RES,CF,122-J-1/8 -CP
R720	06E22060S01	RES,CF,223-J-1/10-CP
R721	06E22060S01	RES,CF,223-J-1/10-CP
R722	06E20850S01	RES,CF,393-J-1/10 -CP
R723	06E20850S01	RES,CF,393-J-1/10 -CP
R724	06E22065S01	RES,CF,104-J-1/10 -CP
R725	06E22065S01	RES,CF,104-J-1/10 -CP
R801	06E23686S01	RES,CF,123-J-1/8 -CP
R802	06E22065S01	RES,CF,104-J-1/10 -CP
R803	06E22033S01	RES,CF,472-J-1/8 -CP
R804	06E22065S01	RES,CF,104-J-1/10 -CP
R805	06E23737S01	RES,CF,202-J-1/8 -CP
R806	06E22037S01	RES,CF,104-J-1/8 -CP
R807	06E22545S01	RES,CF,202-J-1/10-CP
R808	06E22068S01	RES,CF,105-J-1/10 -CP

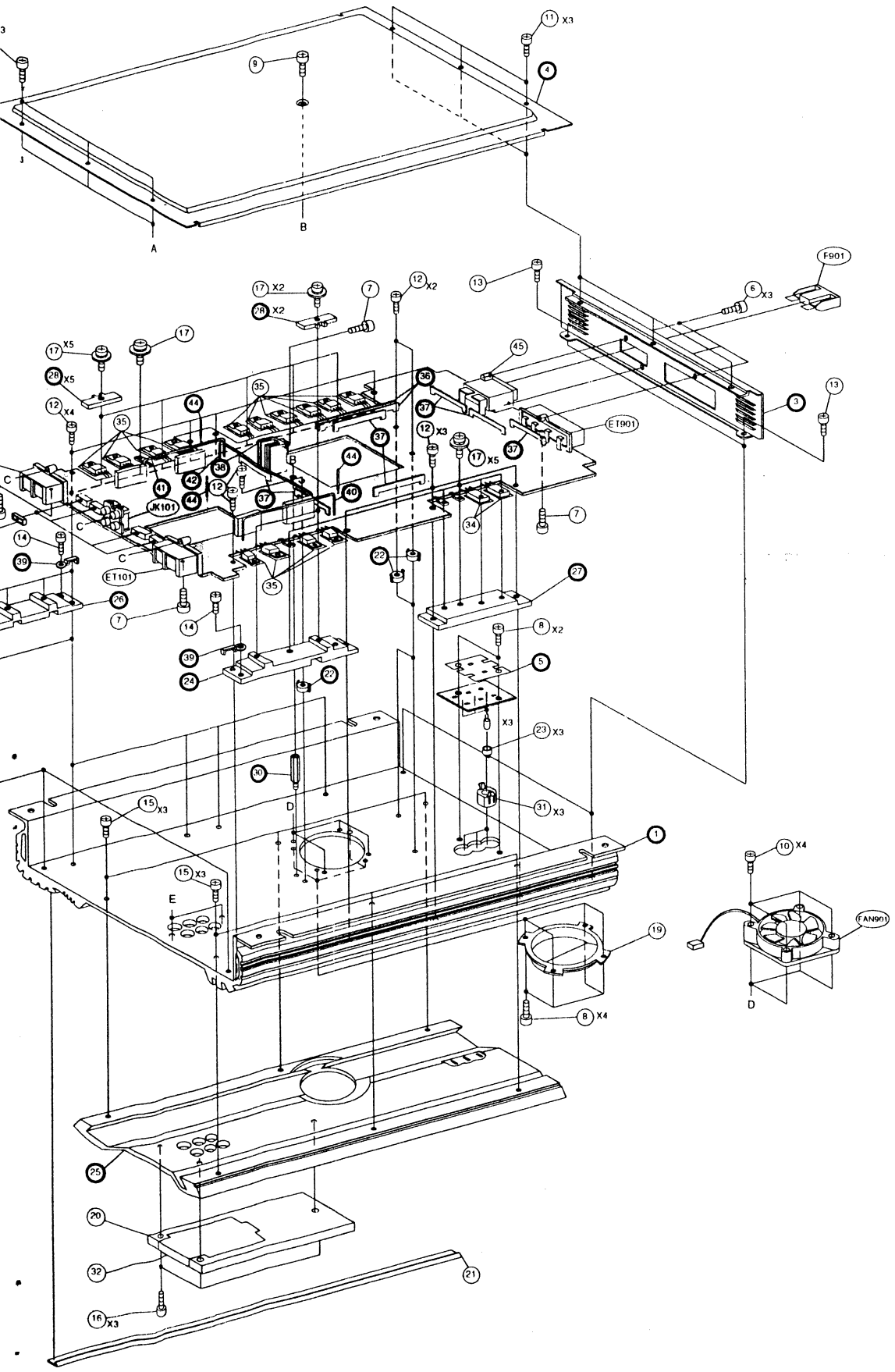
Symbol No.	Part No.	Description
R809	06E23824S01	RES,CF,684-J-1/8 -CP
R812	——	RES,CF,103-J-1/8 -AX
R813	——	RES,CF,103-J-1/8 -AX
R817	06E22065S01	RES,CF,104-J-1/10 -CP
R818	06E22062S01	RES,CF,473-J-1/10-CP
R819	06E22062S01	RES,CF,473-J-1/10-CP
R901	06E26014S01	RES,CF,103-J-1/8 -CP
R902	06E22506S01	RES,CF,362-J-1/10 -CP
R903	06E23739S01	RES,CF,154-J-1/8 -CP
R904	06E22053S01	RES,CF,332-J-1/10 -CP
R905	06E22127S01	RES,CF,272-J-1/8 -CP
R906	06E22053S01	RES,CF,332-J-1/10 -CP
R907	06E22509S01	RES,CF,154-J-1/10 -CP
R908	06E23739S01	RES,CF,154-J-1/8 -CP
R909	06E22030S01	RES,CF,102-J-1/8 -CP
R910	06E22030S01	RES,CF,102-J-1/8 -CP
R911	06E22048S01	RES,CF,102-J-1/10-CP
R912	06E22030S01	RES,CF,102-J-1/8 -CP
R913	06E20903S01	RES,CF,103-J-1/10 -CP
R914	06E20903S01	RES,CF,103-J-1/10 -CP
R917	06E22048S01	RES,CF,102-J-1/10-CP
R918	06E20903S01	RES,CF,103-J-1/10 -CP
R919	06E22048S01	RES,CF,102-J-1/10-CP
R920	06E22507S01	RES,CF,153-J-1/10 -CP
R921	06E20903S01	RES,CF,103-J-1/10 -CP
R922	06E22894S01	RES,CF,132-J-1/10-CP
R923	06E22065S01	RES,CF,104-J-1/10 -CP
R924	06E22059S01	RES,CF,183-J-1/10-CP
R925	06E26529S01	RES,CF,75R-J-1/10 -CP
R926	06E22060S01	RES,CF,223-J-1/10-CP
R927	06E20903S01	RES,CF,103-J-1/10 -CP
R928	06E22048S01	RES,CF,102-J-1/10-CP
R929	06E29570S01	RES,682-J-1/8 -CP
R930	06E22030S01	RES,CF,102-J-1/8 -CP
R931	06E22065S01	RES,CF,104-J-1/10 -CP
R932	06E26014S01	RES,CF,103-J-1/8 -CP
R933	06E22048S01	RES,CF,102-J-1/10-CP
R934	06E20903S01	RES,CF,103-J-1/10 -CP
R935	06E22112S01	RES,CF,113-J-1/10 -CP
R937	06E26014S01	RES,CF,103-J-1/8 -CP
R938	06E20903S01	RES,CF,103-J-1/10 -CP
R939	06E22048S01	RES,CF,102-J-1/10-CP
R940	06E20903S01	RES,CF,103-J-1/10 -CP
R941	06E22064S01	RES,CF,683-J-1/10-CP
R942	06E29512S01	RES,CF,753-J-1/8 -CP
R943	06E26014S01	RES,CF,103-J-1/8 -CP
R944	06E22953S01	RES,CF,303-J-1/10 -CP
VR501	18E25512S01	VR,EVNDJAA03 B1.5K-RD
VR502	18E25512S01	VR,EVNDJAA03 B1.5K-RD

Symbol No.	Part No.	Description
VR601	18E20754S01	VR,EVND,AA03 B10K-RD
Connectors		
CB901	09E29461S01	CONN BASE. 53014-0710
CB902	09E29460S01	CONN BASE. 53014-0210
CH101	01E29563S01	ASS'Y CONN WIRE 4PC-4PB
CH102	01E29568S01	CONN ASS'Y 2P
CH201	01E29564S01	ASS'Y CONN WIRE 6PC-6PB
CH202	01E29565S01	ASS'Y CONN WIRE 8PC-8PB
CH203	01E29563S01	ASS'Y CONN WIRE 4PC-4PB
CH204	01E29566S01	ASS'Y CONN WIRE 8PC-8PB
CH206	01E29567S01	ASS'Y CONN WIRE 8PC-8PB
Volume (1) P.W.Board		
Resistors		
VR101	18E29471S01	VR, 50KAX2 (GAIN)
VR204	18E29475S01	VR, 50KEX2, VR, 25KEX2 (HP)
VR206	18E29472S01	VR, 50KEX4 (LP)
Connectors		
CB101	09E29477S01	CONN BASE, 53015-0410
CB204	09E29569S01	CONN BASE, 53015-0810
CB206	09E29569S01	CONN BASE, 53015-0810
Volume (2) P.W.Board		
Resistors		
VR201	18E29473S01	VR, 50KBX2 (LEVEL)
VR202	18E29472S01	VR, 50KEX4 (FREQUENCY)
VR203	18E29474S01	VR, 20KDX2 (Q-FACTOR)
Connectors		
CB201	09E29478S01	CONN BASE, 53015-0610
CB202	09E29569S01	CONN BASE, 53015-0810
CB203	09E29477S01	CONN BASE, 53015-0410

Symbol No.	Part No.	Description
LED P.W.Board		
LED's		
LD901	48E29454S01	LED, YLRG-304M-5.5(GRN/RED)
LD902	48E29455S01	LED, YLRG-304M-5.5(GRN/YEL)
LD903	48E29454S01	LED, YLRG-304M-5.5(GRN/RED)
Capacitors		
C903	08E22510S01	CAP,CER,181-J-CP 50V
C904	08E22510S01	CAP,CER,181-J-CP 50V
C905	08E22510S01	CAP,CER,181-J-CP 50V
Connector		
CH901	01E29467S01	CONN ASS'Y 7P
Miscellaneous		
ET101	29E29484S01	SPEAKER OUTPUT Terminal (CH-1)
ET102	29E29484S01	SPEAKER OUTPUT Terminal (CH-2)
ET901	29T25237Y01	POWER SUPPLY Terminal
F901	65E29539S01	Fuse, Auto 40A (For Battery Line)
FAN901	01E29562S01	DC-FAN
JK101	09E29483S01	Jack, RCA INPUT/OUTPUT

Exploded View (Cabinet)




11 X3
9
4
A
B
F901
13
17 X2
28 X2
12 X2
7
6 X3
17 X5
28 X5
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12 X3
17 X5
ET901
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JK101
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ET101
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22
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8 X2
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23 X3
30
31 X3
15 X3
1
10 X4
FAN901
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8 X4
25
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32
21
16 X3

Cabinet Assembly Parts List

NOTE:Parts without part number are not supplied.

Symbol No.	Index	Part No.	Description
6		03E09416S09	Screw, TPG-TPT (M3X10)
7		03E09416S10	Screw, TPG-TPT (M3X8)
8		03E24424S01	Screw, TPG-TPT (M2.6X5)
9	1-D	03E29555S01	Screw, MCH (M3X8)
10	4-F	03E29523S01	Screw, TPG-TPT (M3X20)
11		03E09417S05	Screw, MCH-TPT (M2.6X5)
12		03E09417S06	Screw, TPG-TPT (M3X11)
13		03E09417S08	Screw, TPG-TPT (M3X5)
14		03E20920S01	Screw, TPG-TPT (M3X5)
15		03E29348S01	Screw, TPG-TPT (M3X8)
16	5-D	02E29524S01	Wrench, Bolt
17		03E20922S01	Screw, TPG-TPT (M3X11)
18	3-C	15E11445S01	Cover, Switch
19	4-F	15E29526S01	Cover, Grill
20	5-D	64E29528S01	Badge, V12 (EXPERT)
21	5-E	15E29584S01	Cover, Plate
23	3-E	61E29351S01	Lens, LED
31	4-E	15E29379S01	Holder, LED
32	5-D	64E29532S01	Scale Plate
34	3-E	14E11487S01	Insulator, Sheet-B
35		14E20977S01	Insulator, Sheet-A
45	2-E	09T95463W01	Fuse, Holder

Symbol No.	Index	Part No.	Description